

# Claims

- [c1] 1.Apparatus for the knotless connecting and disconnecting of sections of fly fishing lines in cooperative combination comprising:
- a female component permanently attached to an end of a first fishing line and having an ellipsoidal body having a bore therethrough at an acute angle to the ellipsoidal body longitudinal axis, on end of said bore having a first contoured opening and the other end of said bore having a second contoured opening, a fusiform line mounting stem portion on the longitudinal axis on one end of said ellipsoidal body, and a channel on the longitudinal axis of said ellipsoidal body connecting one contoured opening to the other end of said ellipsoidal body; and
- a male component permanently attached to an end of a second fishing line and having an ellipsoidal body dimensioned to fit within said bore in said female component and having a fusiform stem portion on the longitudinal axis at one end of said ellipsoidal body, said fusiform stem comprising a channel mating section proximal to said ellipsoidal body and a line mounting portion distal to said ellipsoidal body;
- thereby allowing the connection to, and disconnection

from, said fly fishing lines with one another.

- [c2] 2.The apparatus as claimed in Claim 1 wherein, said apparatus is formed of molded plastic.
- [c3] 3.The apparatus as claimed in Claim 2 wherein, said apparatus is formed of a molded flexible plastic.
- [c4] 4.The apparatus as claimed in Claim 3 wherein, said apparatus has flexibility similar to that of fly-fishing line.
- [c5] 5.The apparatus as claimed in Claim 1 wherein, said fusiform stems are permanently mounted in the core of the end of fly-fishing line by means of a permanent adhesive.
- [c6] 6.The apparatus as claimed in Claim 1 wherein, said fusiform stems are permanently mounted in the core of the end of fly-fishing line by means of wraps of a fine thread or cord.
- [c7] 7.The apparatus as claimed in Claim 1 wherein, said fusiform stems are permanently mounted in the core of the end of fly-fishing line by means of braided hollow core line.
- [c8] 8.The apparatus as claimed in Claim 1 wherein, said joined apparatus is made more secure by covering said joined apparatus with a piece of thin flexible tubing.

- [c9] 9. The apparatus as claimed in Claim 1 wherein, said female and male components are dimensioned such that when they are joined they snap into a seated locked position.
- [c10] 10. Apparatus for the knotless connecting and disconnecting of sections of fly fishing lines in cooperative combination comprising:  
a female component permanently attached to an end of a first fishing line and having an ellipsoidal body having a bore therethrough at an acute angle to the ellipsoidal body longitudinal axis, on end of said bore having a first contoured opening and the other end of said bore having a second contoured opening, a fusiform line mounting stem portion on the longitudinal axis on one end of said ellipsoidal body said fusiform line mounting stem having a plurality of retaining nodes thereon, and a channel on the longitudinal axis of said ellipsoidal body connecting one contoured opening to the other end of said ellipsoidal body; and  
a male component permanently attached to an end of a second fishing line and having an ellipsoidal body dimensioned to fit within said bore in said female component and having a fusiform stem portion on the longitudinal axis at one end of said ellipsoidal body, said fusiform stem comprising a channel mating section

proximal to said ellipsoidal body and a line mounting portion distal to said ellipsoidal body and said fusiform line mounting stem distal portion having a plurality of retaining nodes thereon;

thereby allowing the connection to, and disconnection from, said fly fishing lines with one another.

- [c11] 11.The apparatus as claimed in Claim 10 wherein, said apparatus is formed of molded plastic.
- [c12] 12.The apparatus as claimed in Claim 11 wherein, said apparatus is formed of a molded flexible plastic.
- [c13] 13.The apparatus as claimed in Claim 12 wherein, said apparatus has flexibility similar to that of fly-fishing line.
- [c14] 14.The apparatus as claimed in Claim 10 wherein, said fusiform stems are permanently mounted in the core of the end of fly-fishing line by means of a permanent adhesive.
- [c15] 15.The apparatus as claimed in Claim 10 wherein, said fusiform stems are permanently mounted in the core of the end of fly-fishing line by means of wraps of a fine thread or cord.
- [c16] 16.The apparatus as claimed in Claim 10 wherein, said fusiform stems are permanently mounted in the core of

the end of fly-fishing line by means of braided hollow core line.

[c17] 17.The apparatus as claimed in Claim 10 wherein, said joined apparatus is made more secure by covering said joined apparatus with a piece of thin flexible tubing.

[c18] 18.The apparatus as claimed in Claim 10 wherein, said female and male components are dimensioned such that when they are joined they snap into a seated locked position.